

Converting Colors

CIELCh(91, 104.607, 123.733)

Have a look what the booklet for
CIELCh(91, 104.607, 123.733)
contains.

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Color

CIELCh(91, 104.388, 123.622)

Conversions

Conversions Part 1

Format	Color
Hex	9FFE04
RGB	159, 254, 4
RGB Percent	62%, 100%, 2%
CMY	0.3753, 0.0027, 0.9835
CMYK	0.37, 0.00, 0.98, 0.00
HSL	83°, 99%, 51%
HSV	83°, 98%, 100%
XYZ	49.9178, 78.4833, 12.6374
YIQ	197.0950, 23.6300, -97.8900

Conversions

Conversions Part 2

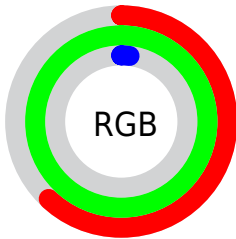
Format	Color
RYB	4, 254, 99
Decimal	10485252
CIELab	91.00, -57.80, 86.92
CIElCh	91, 104.388, 123.622
Yxy	78.4833, 0.3539, 0.5565
Android (android.graphics.Color)	4288675332 (0xFF9FFE04)
YUV	197.0950, -95.1958, -33.4093
Hunter-Lab	88.5908, -54.4554, 53.5559

Details

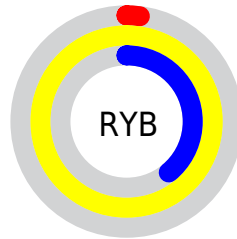
The CIELCh color **91, 104.388, 123.622** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **38, 127.198, 309.390**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 77.804, 114.829**, and **71, 90.114, 128.366** is the 20% darker color. If you saturate the color by 10%, you get **91, 104.888, 123.820**, and if you desaturate by 10%, it is **92, 100.633, 122.535**.

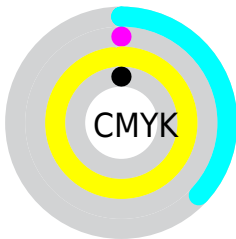
Distribution



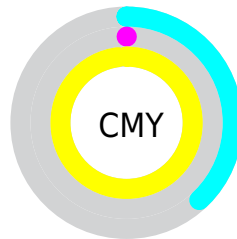
- Red (62%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (39%)



- Cyan (37%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)



- Cyan (38%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 104.388, 123.622 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 91, 104.388, 123.622 by changing the saturation by 10% instead.

■ 91, 104.388,
123.622

■ 91, 104.388,
123.622

■ 100, 104.388,
123.622

■ 81, 104.388,
123.622

■ 71, 104.388,
123.622

■ 61, 104.388,
123.622


■ 51, 104.388,
123.622


■ 41, 104.388,
123.622


■ 31, 104.388,
123.622


■ 21, 104.388,


123.622


 11, 104.388,
123.622


 1, 104.388,
123.622


 91, 104.388,
123.622


 91, 104.388,
123.622

 91, 104.888,
123.820

 92, 100.633,
122.535

 92, 94.321,
121.937

 93, 85.624,
121.778

 93, 75.111,
121.935

■ 94, 63.362,
122.290

■ 95, 50.825,
122.759

■ 96, 37.817,
123.281

■ 97, 24.551,
123.818

■ 99, 11.171,
124.350

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



91, 104.388, 123.622



38, 127.198, 309.390

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 104.388, 123.622



91, 104.388, 173.622



91, 104.388, 303.622



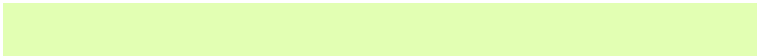
91, 104.388, 353.622

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



91, 104.388, 123.623



96, 40.078, 123.192



61, 90.502, 50.614



51, 27.274, 122.970



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 104.388, 123.623



91, 105.108, 123.823



88, 118.158, 135.423



53, 7.627, 124.289



70, 84.474, 123.544



24, 37.764, 122.015

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38, 127.198, 309.390



37, 128.261, 309.313



55, 116.195, 323.072



49, 7.759, 305.259



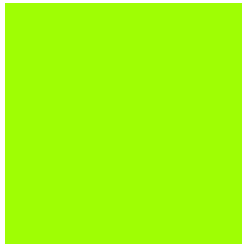
27, 103.089, 309.491



5, 44.875, 309.671

Previews

White Background



This preview shows how the CIE LCh color 91, 104.388, 123.622 looks on a white background.

Color Contrast Check

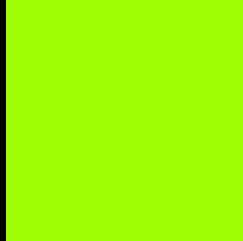
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 91, 104.388, 123.622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 104.388, 123.622

Background



This preview shows how black text looks on a background with the CIELCh color 91, 104.388, 123.622.



This preview shows how white text looks on a background with the CIELCh color 91, 104.388, 123.622.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

91, 104.322, 123.639

Protanopia

90, 75.393, 95.210

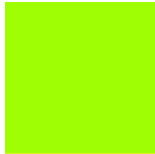
Deuteranopia

90, 26.087, 79.520



Tritanopia
91, 18.315, 231.318

Trichromacy



Original Color
91, 104.322, 123.639



Protanomaly
90, 85.757, 108.406



Deuteranomaly
90, 59.455, 110.865

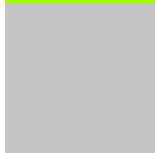


Tritanomaly
90, 47.338, 138.019

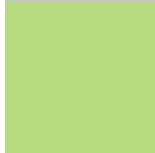
Monochromacy



Original Color
91, 104.322, 123.639



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 48.741, 122.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 104.388, 123.622 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(159, 254, 4)` looks like.

```
.text, #text, p{  
    color:rgb(159, 254, 4)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(159, 254, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 254, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 104.388, 123.622 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 254, 4) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(159, 254, 4) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(159, 254, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 254, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 254, 4);  
box-shadow:4px 4px 4px 4px rgb(159, 254,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 104.388, 123.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 254, 4) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(159,  
254, 4) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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